

DUCTWORK CONST. & APPLICATION SCHEDULE

GENERAL SUPPLY/RETURN/TRANSFER/EXHAUST

DUCT	PRESSURE CLASS (IN. W.G.)	SMACNA SEAL CLASS	ASHRAE LEAK CLASS	MATERIAL	NOTES
SUPPLY FROM AHU TO TAU	+6	A	3	G-90	---
SUPPLY DOWNSTREAM FROM TAU	+2	C	N/A	G-90	---
RETURN DOWNSTREAM FROM TAU AND IN SHAFTS TO RF	-3	A	3	G-90	---
RETURN UPSTREAM FROM TAU	-2	C	N/A	G-90	---
RETURN FROM RF TO AHU	+3	A	3	G-90	---
RELIEF/EXH. FROM RF/EF	+3	A	N/A	G-90	---
SUPPLY DOWNSTREAM FROM FCU	+2	C	N/A	G-90	---
RETURN UPSTREAM FROM FCU	-2	C	N/A	G-90	---
TRANSFER DUCT	+2	C	N/A	G-90	---
LINEAR SUPPLY/RETURN GRILLE PLENUM	+2	C	N/A	G-90	---
EXHAUST ON ROOF	+/-2	A	3	316L S.S. OR ALUM.	---
PLENUMS	+/-6	A	3	SAME AS DUCTS SERVED	---
EXHAUST STACKS	+3	WELDED	0	316L S.S.	1
ALL OTHER SUPPLY/RETURN/EXHAUST NOT SPECIFICALLY IDENTIFIED	+/-2	C	N/A	G-90	---

LABORATORY AND VIVARIUM SUPPLY/RETURN/EXHAUST

DUCT	PRESSURE CLASS (IN. W.G.)	SEAL CLASS	LEAK CLASS	MATERIAL	NOTES
SUPPLY FROM AHU TO LTAU	+6	A	3	G-90	---
SUPPLY DOWNSTREAM FROM LTAU	+2	A	3	G-90	---
EXH./RET. IN SHAFTS AND INACCESSIBLE LOCATIONS	-6	A	3	PCD	---
EXH./RET. IN PENTHOUSE AND MECH. ROOMS-ACCESSIBLE	+/-6	A	3	G-90	---
EXH./RET. ON ROOF	+/-6	A	3	G-90	3
EXH./RET DOWNSTREAM FROM LTAU	-6	A	3	G-90	---
EXH./RET. UPSTREAM FROM LTAU	-2	A	3	G-90	---
CHEMICAL FUME HOOD EXH. DOWNSTREAM OF LTAU	-6	A	3	PCD	4
CHEMICAL FUME HOOD EXH. UPSTREAM OF LTAU	-2	A	3	PCD	---
DARK ROOM EXH. DOWNSTREAM OF LTAU	-6	A	3	PCD	---
DARK ROOM EXH. UPSTREAM OF LTAU	-2	A	3	PCD	---
HIGH PROCESS HUMIDITY EXH. DOWNSTREAM OF LTAU	-6	WELDED	0	316L S.S.	1
HIGH PROCESS HUMIDITY EXH. UPSTREAM OF LTAU	-2	WELDED	0	316L S.S.	1
CAGE WASH/DISHWASHER EXH.	-6	WELDED	0	316L S.S.	1
EXH. PLENUM	-6	A	3	---	2,3

ABBREVIATIONS:

EF = EXHAUST FAN
 FCU = FAN COIL UNIT
 LTAU = LABORATORY TERMINAL AIRFLOW UNIT
 RF = RETURN FAN
 TAU = TERMINAL AIRFLOW UNIT

NOTES:

1. MUST BE 100% LEAK PROOF WELD.
2. MATERIAL AND COATING TO MATCH FAN, OTHERWISE STAINLESS STEEL.
3. SHALL BE INSULATED.
4. PCD FROM LTAU TO POINT OF CONNECTION WITH ANY OTHER EXHAUST DUCT.